

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Original) A method of encrypting an unencrypted television program, comprising:
sampling the unencrypted television program at a specified time interval;
for each sample:
 encrypting the sample according to a first encryption method to create a first encrypted sample; and
 encrypting the sample according to a second encryption method to create a second encrypted sample.
2. (Original) The method according to claim 1, further comprising, combining the first and second encrypted samples with unsampled portions of the unencrypted television program to produce partially dual encrypted television programs.
3. (Original) The method according to claim 2, further comprising distributing the partially dual encrypted television program over a communication medium.
- a2 4. (Original) The method according to claim 2, further comprising assigning a plurality of primary packet identifiers (PID) to data packets containing unencrypted portions of the television program, the primary packet identifiers associating the unencrypted portion with the television program.
5. (Original) The method according to claim 2, further comprising assigning a plurality of primary packet identifiers (PID) to data packets containing first encrypted samples of the television program, the primary packet identifiers associating the first encrypted samples with the television program.
6. (Original) The method according to claim 2, further comprising assigning a plurality of secondary packet identifiers (PID) to data packets containing second encrypted samples

of the television program, the secondary packet identifiers associating the second encrypted samples with the television program.

7. (Original) The method according to claim 2, further comprising:

assigning a plurality of primary packet identifiers (PID) to data packets containing unencrypted portions of the television program, the primary packet identifiers associating the unencrypted portions with the television program;

assigning the plurality of primary packet identifiers to data packets containing first encrypted samples of the television program, the primary packet identifiers associating the first encrypted samples with the television program; and

assigning a plurality of secondary packet identifiers to data packets containing second encrypted samples of the television program, the secondary packet identifiers associating the second encrypted samples with the television program.

8. (Original) The method according to claim 7, further comprising transmitting system information to identify the primary and secondary PID associated with the television program.

9. (Original) The method according to claim 1, wherein the sample comprises a data associated with a frame of video.

10. (Original) The method according to claim 1, wherein the sample comprises at least one packet of data.

11. (Original) The method according to claim 1, wherein the specified time interval comprises a randomly occurring time interval.

12. (Original) The method according to claim 1, further comprising distributing at least one of the first and second encrypted samples separately from unsampled portions of the unencrypted television program.

13. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 1.

14. (Original) An electronic transmission medium carrying an encrypted television signal encrypted by the method according to claim 1.

15. (Original) An encrypted television signal, comprising:
a first encrypted sample of the television signal, the first encrypted sample comprising a first sample encrypted under a first encryption method;
a second encrypted sample of the television signal, the second encrypted sample comprising the first sample encrypted under a second encryption method; and
an unencrypted portion.

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16. (Currently Amended) The encrypted television signal according to claim 15 ~~13~~, wherein the television signal comprises a digital television signal, and wherein the first encrypted samples and second encrypted samples comprise first encrypted packets and second encrypted packets, and the unencrypted portion comprises unencrypted packets.

17. (Original) The encrypted television signal according to claim 16, wherein the digital television signal complies with an MPEG standard, and wherein the first encrypted packets are identified by a first packet identifier, and wherein the second encrypted packets are identified by a second packet identifier.

18. (Currently Amended) The encrypted television signal according to claim 16 ~~14~~, wherein the digital television signal complies with an MPEG standard, and wherein the unencrypted packets are identified by a first packet identifier, and wherein the first encrypted packets are identified by the first packet identifier, and wherein the second encrypted packets are identified by a second packet identifier.

19. (Original) A method of encrypting an unencrypted television program, comprising:

sampling the unencrypted television program at a specified time interval; and
for each sample, encrypting the sample according to a first encryption method to create a first encrypted sample for the television program.

20. (Original) The method according to claim 19, further comprising, combining the first encrypted samples with the unsampled portions of the unencrypted television program to produce a partially encrypted television program.

21. (Original) The method according to claim 20, further comprising distributing the partially encrypted television program over a cable television system.

22. (Original) The method according to claim 20, further comprising assigning a packet identifier (PID) to data packets containing unencrypted portions of the television program, the packet identifier associating the unencrypted portion with a particular television program.

23. (Original) The method according to claim 20, further comprising assigning a packet identifier (PID) to data packets containing first encrypted samples of the television program, the packet identifier associating the first encrypted samples with a particular television program.

24. (Original) The method according to claim 20, further comprising assigning a secondary packet identifier (PID) to data packets containing first encrypted sample of the television program, the secondary packet identifier associating the first encrypted samples with a particular television program.

25. (Original) The method according to claim 20, further comprising assigning a packet identifier (PID) to data packets containing first encrypted samples and unencrypted portions of the television program, the packet identifier associating the first encrypted samples and the unencrypted portions with a particular television program.

26. (Original) The method according to claim 20, further comprising
assigning a primary packet identifier (PID) to data packets containing unencrypted portions of the television program, the packet identifier associating the unencrypted portions with a particular television program; and

assigning a secondary packet identifier (PID) to data packets containing encrypted samples of the television program, the secondary packet identifier associating the encrypted samples with the particular television program

27. (Original) The method according to claim 20, wherein the sample comprises a data associated with a frame of video.

28. (Original) The method according to claim 19, wherein the sample comprises at least one packet of data.

29. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 19.

30. (Original) An electronic transmission medium carrying an encrypted television program encrypted by the method according to claim 19.

31. (Original) A method of encrypting an unencrypted television program, comprising:

encrypting N periods out of every M periods of the television program according to a first encryption method, where M is greater than N; and

encrypting the N periods of the television program according to a second encryption method.

32. (Original) The method according to claim 31, further comprising, combining the first and second encrypted periods with unencrypted periods to produce a partially dual encrypted television program.

33. (Original) The method according to claim 32, further comprising distributing the partially dual encrypted television program over a cable television system.

34. (Original) The method according to claim 32, further comprising assigning a primary packet identifier (PID) to unencrypted periods of the television program.

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35. (Original) The method according to claim 32, further comprising assigning a primary packet identifier (PID) to periods encrypted under the first encryption method.

36. (Original) The method according to claim 32, further comprising assigning a secondary packet identifier (PID) to periods encrypted under the second encryption method.

37. (Original) The method according to claim 32, further comprising:
 assigning a primary packet identifier (PID) to unencrypted periods of the television program;
 assigning a primary packet identifier (PID) to periods encrypted under the first encryption method; and
 assigning a secondary packet identifier (PID) to periods encrypted under the second encryption method.

38. (Original) The method according to claim 37, further comprising transmitting system information to identify the primary and secondary PID associated with the television program.

39. (Original) The method according to claim 32, wherein the period comprises data associated with a frame of video.

40. (Original) The method according to claim 32, wherein the period comprises at least one packet of data.

41. (Original) The method according to claim 31, wherein the N periods and M periods are selected randomly.

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42. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 32.

43. (Original) An electronic transmission medium carrying an encrypted television program encrypted by the method according to claim 32.

44. (Original) A partially encrypted television signal, comprising:
a first portion of the television signal, the portion being encrypted under a first encryption method and under a second encryption method; and
an unencrypted portion, wherein for every M periods of the television signal, N periods are encrypted.

45. (Original) The partially encrypted television signal according to claim 44, wherein the television signal is a digital television signal, and wherein the period comprises a packet.

46. (Original) The partially encrypted television signal according to claim 44, wherein the period comprises a video frame.

47. (Original) The partially encrypted television signal according to claim 44, wherein the digital television signal complies with an MPEG standard, and wherein the first encrypted portion is identified by a first packet identifier, and wherein the second encrypted portion is identified by a second packet identifier.

48. (Original) The partially encrypted television signal according to claim 44, wherein the digital television signal complies with an MPEG standard, and wherein the unencrypted portion is identified by a first packet identifier, and wherein the encrypted portion encrypted under the first encryption method is identified by the first packet identifier, and wherein the encrypted portion encrypted under the second encryption method is identified by a second packet identifier.

49. (Original) A method of encrypting an unencrypted television program, comprising:

encrypting N portions of the television program out of every M portions of the television program according to a first encryption method; and

leaving a remainder of the television program unencrypted, wherein the combination of the encrypted portion and the remainder comprises a partially encrypted television program.

50. (Original) The method according to claim 49, further comprising distributing the partially encrypted television program over one of the following: a terrestrial broadcast system, a cable television system and a satellite television system.

51. (Original) The method according to claim 49, further comprising assigning a packet identifier (PID) to data packets containing the encrypted portions and the remainder

of the television program, the packet identifier associating the encrypted portion and the remainder with the television program.

52. (Original) The method according to claim 49, further comprising assigning a primary packet identifier (PID) to data packets containing the encrypted portions and the remainder of the television program, the packet identifier associating the encrypted portion and the remainder with the television program; and assigning a secondary packet identifier (PID) to data packets containing the encrypted portions of each television program, the secondary packet identifier associating the first encrypted samples with the television program.

53. (Original) The method according to claim 49, wherein the N portions comprise N frames of video.

54. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 49.

55. (Original) An electronic transmission medium carrying an encrypted television program encrypted by the method according to claim 49.

56. (Original) A method of processing a television signal, comprising:
receiving a television signal comprising:
a first encrypted sample of the television program, the sample being encrypted under a first encryption method,
a second encrypted sample of the television program, the sample being encrypted under a second encryption method, and
an unencrypted portion; and
decrypting the first encrypted sample to produce a decrypted sample.

57. (Original) The method according to claim 56, further comprising decoding the unencrypted portion and the decrypted sample.

58. (Original) The method according to claim 56, wherein the television signal is a digital television signal, and wherein the first encrypted samples and second encrypted samples comprise first encrypted packets and second encrypted packets, and the unencrypted portion comprises unencrypted packets.

59. (Original) The method according to claim 58, wherein the digital television signal complies with an MPEG standard, and wherein the first encrypted packets are identified by a first packet identifier, and wherein the second encrypted packets are identified by a second packet identifier.

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60. (Original) The method according to claim 59, wherein the digital television signal complies with an MPEG standard, and wherein the unencrypted packets are identified by a first packet identifier, and wherein the first encrypted packets are identified by the first packet identifier, and wherein the second encrypted packets are identified by a second packet identifier.

61. (Original) The method according to claim 56, carried out in a television device.

62. (Original) The method according to claim 56, carried out in a television set-top box.

63. (Original) The method according to claim 56, carried out in an integrated circuit.

64. (Original) The method according to claim 56, carried out in one of an application specific integrated circuit and a field programmable gate array.

65. (Original) A method of processing digital content, comprising:
receiving a signal containing the digital content, the digital content comprising:
a first encrypted sample the digital content, the sample being encrypted
under a first encryption method,
a second encrypted sample of the digital content, the sample being
encrypted under a second encryption method, and
an unencrypted portion; and
decrypting the first encrypted sample to produce a decrypted sample.

66. (Original) The method according to claim 65, further comprising decoding the
unencrypted portion and the decrypted sample.

67. (Original) The method according to claim 65, carried out in an integrated circuit.

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68. (Original) The method according to claim 65, carried out in one of a television
device, a content player, a PDA and a music player.

69. (Original) A method of decoding a television program, comprising:
receiving a television signal having N periods out of every M periods of the television
program encrypted according to a first encryption method, where M is greater than N, and
wherein the same N periods of the television program encrypted according to a second
encryption method, wherein M-N periods are unencrypted;
decrypting the N periods according to a first decryption method to produce
decrypted periods;
discarding the N periods encrypted according to the second encryption method; and
decoding the decrypted periods and the unencrypted periods.

70. (Original) The method according to claim 69, further comprising filtering out the
N periods encrypted according to the second encryption method.

71. (Original) The method according to claim 70, wherein the filtering is carried out by filtering on a packet identifier (PID) associated with data packets.

72. (Original) The method according to claim 69, wherein the period comprises data associated with a frame of video.

73. (Original) The method according to claim 69, wherein the period comprises at least one packet of data.

74. (Original) The method according to claim 69, wherein the period comprises data associated with a frame of audio.

75. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 69.

76. (Original) The method according to claim 69, carried out in a television device.

77. (Original) The method according to claim 69, carried out in a television set-top box.

78. (Original) The method according to claim 69, carried out in an integrated circuit.

79. (Original) The method according to claim 69, carried out in one of an application specific integrated circuit and a field programmable gate array.

80. (Original) A television set-top box for decoding a television signal, comprising:
a receiver that receives a television signal having:
a first encrypted sample of the television program, the sample being encrypted under a first encryption method,

a second encrypted sample of the television program, the sample being encrypted under a second encryption method, and
an unencrypted portion;
a decrypter that decrypts the first encrypted sample to produce a decrypted sample;
and
a decoder that decodes the unencrypted portion and the decrypted sample.

81. (Original) The apparatus according to claim 80, wherein the television signal is a digital television signal, and wherein the first encrypted samples and second encrypted samples comprise first encrypted packets and second encrypted packets, and the unencrypted portion comprises unencrypted packets.

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82. (Original) The apparatus according to claim 81, wherein the digital television signal complies with an MPEG standard, and wherein the first encrypted packets are identified by a first packet identifier, and wherein the second encrypted packets are identified by a second packet identifier.

83. (Original) The apparatus according to claim 81, wherein the digital television signal complies with an MPEG standard, and wherein the unencrypted packets are identified by a first packet identifier, and wherein the first encrypted packets are identified by the first packet identifier, and wherein the second encrypted packets are identified by a second packet identifier.

84. (Original) A television set-top box for decoding a television program, comprising:
a receiver receiving a television program having N periods out of every M periods of the television program encrypted according to a first encryption method, where M is greater than N, and wherein the same N periods of the television program encrypted according to a second encryption method, wherein M-N periods are unencrypted;
a decrypter that decrypts the N periods according to a first decryption method to produce decrypted periods;

filtering means for discarding the N periods encrypted according to the second encryption method; and

a decoder that decodes the decrypted periods and the unencrypted periods.

85. (Currently Amended) The ~~method~~ television Set-top Box according to claim 84, ~~further comprising wherein the~~ filtering means filters out the N periods encrypted according to the second encryption method.

86. (Currently Amended) The ~~method~~ television Set-top Box according to claim 85, wherein the filtering is carried out by the filtering means filtering on a packet identifier (PID) associated with data packets.

87. (Currently Amended) The ~~method~~ television Set-top Box according to claim 84, wherein the period comprises data associated with a frame of video.

88. (Currently Amended) The ~~method~~ television Set-top Box according to claim 84, wherein the period comprises at least one packet of data.

89. (Currently Amended) ~~An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method~~ The television Set-top Box according to claim 84, wherein the decoder comprises an MPEG decoder.

90. (Original) A method of encrypting a plurality of unencrypted television programs, comprising:

selecting a video frame from each unencrypted television program at a specified time interval;

encrypting the frame according to a first encryption method to create a first encrypted frame for each television program; and

encrypting the frame according to a second encryption method to create a second encrypted frame for each television program.

91. (Original) The method according to claim 90, further comprising, combining the first and second encrypted frames with unencrypted frames of the unencrypted television programs to produce partially dual encrypted television programs.

92. (Original) The method according to claim 91, further comprising distributing the partially dual encrypted television programs over one of a cable television system, a terrestrial broadcast system, and a satellite system.

93. (Original) The method according to claim 91, further comprising assigning a plurality primary packet identifiers (PID) to data packets containing unencrypted portions of each television program, the primary packet identifiers associating the unencrypted portions with each particular television program.

94. (Original) The method according to claim 91, further comprising assigning a plurality primary packet identifiers (PID) to data packets containing first encrypted frames of each television program, the primary packet identifiers associating the first encrypted frames with each particular television program.

95. (Original) The method according to claim 91, further comprising assigning a plurality of secondary packet identifiers (PID) to data packets containing second encrypted frames of each television program, the secondary packet identifiers associating the second encrypted frames with a particular television program.

96. (Original) The method according to claim 91, further comprising:
assigning a plurality primary packet identifiers (PID) to data packets containing unencrypted portions of each television program, the primary packet identifiers associating the unencrypted portions with each particular television program;

assigning the plurality of primary packet identifiers to data packets containing first encrypted frames of each television program, the primary packet identifiers associating the first encrypted frames with each particular television program; and

assigning a plurality of secondary packet identifiers to data packets containing second encrypted frames of each television program, the secondary packet identifiers associating the second encrypted samples with a particular television program.

97. (Original) The method according to claim 96, further comprising transmitting system information to identify the primary and secondary packet identifiers associated with each television program.

98. (Original) The method according to claim 90, wherein the specified time interval is selected at random.

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99. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 90.

100. (Original) An electronic transmission medium carrying an encrypted television signal encrypted by the method according to claim 90.

101. (Original) A method of encrypting an unencrypted television program, comprising:

selecting a frame of the unencrypted television program at a specified time interval;
and

encrypting the frame according to a first encryption method to create a first encrypted sample for the television program.

102. (Original) The method according to claim 101, further comprising, combining the first encrypted frame with unencrypted portions of the television program to produce a partially encrypted television program.

103. (Original) The method according to claim 102, further comprising distributing the partially encrypted television program over a cable television system.

104. (Original) The method according to claim 102, further comprising assigning a packet identifier (PID) to data packets containing unencrypted portions of the television program, the packet identifier associating the unencrypted portion with a particular television program.

105. (Original) The method according to claim 102, further comprising assigning a packet identifier (PID) to data packets containing first encrypted frames of the television program, the packet identifier associating the first encrypted frames with a particular television program.

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106. (Original) The method according to claim 102, further comprising assigning a secondary packet identifier (PID) to data packets containing first encrypted frames of the television program, the secondary packet identifier associating the first encrypted samples with a particular television program.

107. (Original) The method according to claim 102, further comprising assigning a packet identifier (PID) to data packets containing first encrypted frames and unencrypted portions of the television program, the packet identifier associating the first encrypted frames and the unencrypted portions with a particular television program.

108. (Original) The method according to claim 102, further comprising
assigning a primary packet identifier (PID) to data packets containing unencrypted portions of the television program, the packet identifier associating the unencrypted portions with a particular television program; and

assigning a secondary packet identifier (PID) to data packets containing encrypted frames of the television program, the secondary packet identifier associating the encrypted frames with the particular television program

109. (Original) An electronic storage medium storing instructions which, when executed on a programmed processor, carry out the method according to claim 101.

110. (Original) An electronic transmission medium carrying an encrypted television program encrypted by the method according to claim 101.
